

WHAT IS CLAIMED IS:

1. An information handling system, comprising:  
a first port operable to receive first analog video signals;  
5 embedded control logic operably coupled to the first port, the embedded control logic operable to select either the first analog video signals received by the first port or second analog video signals generated by the information handling system; and  
10 a second port operably coupled to the embedded control logic, the second port operable to transmit at least one of the first and second analog video signals to a master controller operably coupled to the information handling system.  
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2. The system of Claim 1, wherein the embedded control logic comprises:  
a multiplexer including:  
a first input interfaced with the first port;  
20 a second input interfaced with a video source in the information handling system; and  
an output interfaced with the second port;  
the multiplexer operable to transmit the first analog video signals received by the first port and the  
25 second analog video signals generated by the information handling system to the second port; and  
a processing resource interfaced with the multiplexer and the first and second ports, the processing resource operable to generate a mux signal for  
30 selecting the first and second analog video signals.

3. The system of Claim 2, further comprising the  
mux signal generated based on a selection signal received  
from a shared bus through at least one of the first and  
second ports on a shared bus, the selection signal  
5 generated by the master controller.

4. The system of Claim 1, further comprising the  
embedded control logic operable to obtain operating  
information associated with the information handling  
10 system.

5. The system of Claim 4, further comprising the  
operating information selected from the group consisting  
of temperature, operating voltage, and fan speed.  
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6. The system of Claim 1, further comprising:  
the second port operable to receive third analog  
video signals;  
the first port operable to transmit the second and  
20 third analog video signals; and

the embedded control logic operable to selectively  
transmit either the first analog video signals received  
by the first port and the second analog video signals  
generated by the information handling system over the  
25 second port or the third analog video signals received by  
the second port and the second analog video signals  
generated by the information handling system over the  
first port.

7. The system of Claim 1, wherein the embedded control logic includes a backup power source operable to power the embedded control logic if the information handling system is powered off.

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8. The system of Claim 1, further comprising the first and second ports operable to receive backup power for operating the embedded control logic if an AC power source for the information handling system is

10 disconnected.

9. The system of Claim 1, further comprising:

a first twisted pair cable operably coupled to the first port; and

15 a second twisted pair cable operably coupled to the second port;

the first and second twisted pair cables operable to transmit the first and second analog video signals.

20 10. The system of Claim 1, wherein the first and second analog video signals comprise RGB signals.

11. The system of Claim 1, wherein the master controller receives the first and second analog signals  
25 and converts the first and second analog video signals to digital video signals for transmission over an Ethernet.

12. An information handling system, comprising:  
a first port operable to transmit and receive first  
video signals;  
a second port operable to transmit and receive  
5 second video signals; and  
embedded control logic operably coupled between the  
first port and the second port, the embedded control  
logic operable to selectively transmit to a master  
controller operably coupled to the information handling  
10 system either the first video signals received from the  
first port or third video signals generated by the  
information handling system through the second port or  
the second video signals received from the second port or  
the third video signals generated by the information  
15 handling system through the first port.

13. The system of Claim 12, wherein the embedded control logic comprises:

a first multiplexer including:

a first input interfaced with the first port;

5 a second input interfaced with a video source in the information handling system; and

an output interfaced with the second port;

the first multiplexer operable to select either the first video signals received by the first port or the  
10 third video signals generated by the information handling system for transmission through the second port;

a second multiplexer including:

a first input interfaced with the second port;

15 a second input interfaced with the video source in the information handling system; and

an output interfaced with the first port;

the second multiplexer operable to select either the second video signals received by the second port or the third video signals generated by the information handling  
20 system for transmission through the first port; and

a processing resource interfaced with the first and second multiplexers and between the first and second ports, the processing resource operable to generate mux signals for selecting the first, second and third video  
25 signals.

14. The system of Claim 12, further comprising the embedded control logic operable to obtain operating information for the information handling system.

15. The system of Claim 14, further comprising the operating information selected from the group consisting of temperature, operating voltage, operating speed and fan speed.

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16. The system of Claim 12, wherein the first, second and third video signals comprise analog video signals.

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17. The system of Claim 12, wherein the embedded control logic includes a backup power source operable to power the embedded control logic if the information handling system is powered off.

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18. The system of Claim 12, further comprising the first port and second ports operable to receive backup power for operating the embedded control logic if an AC power source for the information handling system is disconnected.

19. A method for managing multiple information handling systems using embedded control logic, comprising:

receiving first analog video signals from a first  
5 port;

generating second analog video signals by an information handling system;

selecting either the first analog video signals received from the first port or the second analog video  
10 signals generated by the information handling system based on a selection signal received from a master controller operably coupled to the information handling system; and

transmitting the selected analog video signals  
15 through a second port to the master controller.

20. The method of Claim 19, further comprising:

obtaining operating information associated with the information handling system; and

20 transmitting system information through the second port to the master controller.

21. The method of Claim 19, further comprising:  
receiving third analog video signals from the second  
port;

5 selecting the first analog video signals received  
from the first port or the second analog video signals  
generated by the information handling system for  
transmission over the second port;

10 selecting the third analog video signals received  
from the second port or the second analog video signals  
generated by the information handling system for  
transmission over the first port; and

transmitting the selected analog video signals  
through at least one of the first and second ports.

15 22. The method of Claim 19, further comprising  
generating backup power through a backup power source in  
the information handling system if the information  
handling system is powered off.

20 23. The method of Claim 19, further comprising the  
selection signal received from at least one of the first  
and second ports on a shared bus.

25 24. The method of Claim 19, further comprising at  
least one of a keyboard signal and a mouse signal  
received from at least one of the first and second ports  
on a shared bus.